	Scout Report sent out	⊡-
	Moted in the NID File	
	Rocation map pinned	
	Approval or Disapproval Letter	
	Date Comploted, P. & A. or operations suspended	
	Pin changed on location map	
	Affidavit and Record of A & P	
	Wester Shut-Off Test	, D
-	Gas-Oil Ratio Test	
	Well Log Filed	

		-	
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		·	
		\	
E NOTATION\$			
ered in N1D File	Checked by Chief		
ered On S R Sheet	Copy NID to Field Office		
cation Map Pinned	Approval Letter		
ard Indexed	Disapproval Letter		
V R for State or Fee Land			
COMPLETION DATA:			
Date Well Completed 8-2858	Location Inspected		
OW TA	Bond released State of Fee Lamid		
6W 05 PA	State of Fee Land		
Logs	FILED		
Driller's Lay 10-0458			
Electric Logs (Na) 3			
E E-/	GR.N.	Tion-Clark	1114
Mi-L Sor	nic Other Indus	non-com	

	41	Approvar expires 12 or oo.
Form 9-331 b (April 1952)	(SUBMIT IN TRIPLICATE)	Indian Agency
•	UNITED STATES Contract	No. I-149-In4-911
	DEPARTMENT OF THE INTERIOR	Allottee
	GEOLOGICAL SURVEY	Lease No.
	Leage No. 146339	
S	UNDRY NOTICES AND REPORTS ON	WELLS

MOTION OF HITZERISCH TO DIRECTED		SUBSEQUENT REPORT OF WATER SHUT-OFF
		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
		SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.		SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING.	-	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Navajo Tribe "J"		Fort Worth	Texas, July 23	, 1958.
Well No8 is	located 660 ft.	from S line and	1980 ft. from William	ne of sec. 20
NETNWE Sec. 20 (4 Sec. and Sec. No.)	40-South	26-East	(Meridian)	
Tame y (Field)	San Ju	unty or Subdivision)	Utah (State or Te	rritory)
The elevation of the	ind t ie k floor above sea	level is .5006 . f	ft.	

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

OBJECTIVE FORMAT	"ION		SIZE C	as ing		CASING P	ROURAN (ADDROX
Top of Ismay		8-5/8*	(1500') (5500') (250')	24.0# 14.0#	New New	Set at 1500'	Coment 1000 sx.
		5-1/2"	250'	15.5#	New	57501	500 ax.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Company THE TEXAS COMPANY
P.O. Box 1720
Address Fort Worth 1, Texas THE TEXAS COMPANY Title Gen. Supt. Drilling & Production amm

U. S GOVERNMENT PRINTING OFFICE 16-8437b-8

The Texas Company P. C. Box 1720 Fort Worth 1, Texas

Attention: W. C. Lenz, General Superintendent Drilling & Production

Contlement

This is to asknowledge receipt of your notice of intention to drill Well No. Navajo Tribe J-8, which is to be located 660 feet from the north line and 1980 feet from the west line of Section 20, Township 40 South, Range 26 East, SLEM, San Juan County. Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT SECRETARY

CBF: en

co: Phil McGreth USGS, Farmington, New Mexico

* Note: The above approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Form	n 9- :	331 b
(A)	pril 19	(52)
	0.	

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Indian Agency	Nave jo
Allottee	**
	49-IND-9124
WELLS	-N-K,1x

GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT.
NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Navajo Tribe "J"	Oct	ober 10	, 19 .58
	660 ft. from [N] line and 19	80 ft. from $\{E\}$ line of	sec. 20
Majof sec. 20 (4 Sec. and Sec. No.)	40-S 26-E (Twp.) (Range)	GLM (Meridian)	
Ismay (Field)	San Juan (County or Subdivision)	(State or Territory)	

The elevation of the derrick floor above sea level is __5016 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 1:30 F.M., August 2, 1958.

Drilled 17-1/4" hole to 100' and cemented 89' of 13-3/8" 3.D. casing at 100' with 125 sacks of cement. Cement circulated.

Drilled 11" hole to 1500' and cemented 1488' of 8-5/8" O.D. casing at 1500' with 1250 sacks cement. Cement circulated. Tested casing with 800# pressure for 30 minutes. Tested 0K.

Title

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company

The Pexas Company

Address Box 817

Farmington, New Mexico

Title

Dist. Supt.

 \mathcal{M}

(April 1952)			

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Indian Agency

Allottee
Lease No. Ton AO THE WOLD

SU	INDRY NOTICES	S AND REP	ORTS ON WELI	LS
NOTICE OF INTENTIO	N TO DRILL	SUBSPOUENT	REPORT OF WATER SHUT-OFF	
	N TO CHANGE PLANS	1 11	REPORT OF SHOOTING OR ACIDIZI	1
	N TO TEST WATER SHUT-OFF	l li	REPORT OF ALTERING CASING	
	N TO REDRILL OR REPAIR WELL		REPORT OF REDRILLING OR REPA	i
	N TO SHOOT OR ACIDIZE	1 1	REPORT OF ABANDONMENT.	
	N TO PULL OR ALTER CASING	· · · · · · · · · · · · · · ·	ARY WELL HISTORY.	
	N TO ABANDON WELL			
	TO ADMITOR ITALIAN			
	(INDICATE ABOVE BY CHECK	MARK NATURE OF REPORT	r, NOTICE, OR OTHER DATA)	
Navajo Tribe	wja		October 23,	, 19 <u>_58</u>
Well No. 9	is located 660 f	t. from N line an	## ha	e of sec 20
(14 Sec. and Sec	s. No.) (Twp.)	(Range)	(Meridian)	
Lamay		en Juen	Utah	
(Field)	(0	County or Subdivision)	(State or Terr	riory)
Perforated 5 2" tubing to	5730°. Plugged back -1/2° casing from 56 5693° with packer s lar 15% acid.	761 to 56841 w		
	his plan of work must receive appro	oval in writing by the Geo	ological Survey before operations m	nay be commenced.
Address	Dox 817		/// M/	
	Fermington, New Messi	.00	By A. T. Ch	ng un_
		_	itle dist. S up	/1

U. S. GOVERNMENT PRINTING OFFICE 16-8437b-8

Fori (A	Form 9-331 b (April 1952)				
	•				

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Indian Agency	Marajo
4	
Allottee	
ease No. Inl	19-IND-912

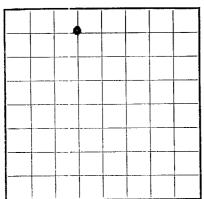
		ng gorrer	Cease No	-
SUNDRY NO	OTICES AND	REPORTS ON	WELLS	
NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER S	HUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS.		SUBSEQUENT REPORT OF SHOOTIN		
NOTICE OF INTENTION TO TEST WATER SH	UT-OFF	SUBSEQUENT REPORT OF ALTERIN	G CASING	
NOTICE OF INTENTION TO REDRILL OR RE	PAIR WELL	SUBSEQUENT REPORT OF REDRILL	ING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACID	IZE	SUBSEQUENT REPORT OF ABANDO	MENT	
NOTICE OF INTENTION TO PULL OR ALTER	CASING	SUPPLEMENTARY WELL HISTORY		
NOTICE OF INTENTION TO ABANDON WELL				
(INDICATE ABO	VE BY CHECK MARK NATU	RE OF REPORT, NOTICE, OR OTHER I	OATA)	
		October 23.		19 58
Navajo Tribe "J"	*****	, , , , , , , , , , , , , , , , , , ,		. /
Vell No. 8 is located	680 ft from [N line and 1980 ft fro	m E line of sec	20
ren 140.	i	S) mic and level it. no	W will or sec.	
NW2 of Sec. 20 (¼ Sec. and Sec. No.)	40-S 26-E	nge) (Meridian)		
(¼ Sec. and Sec. No.)	(Twp.) (Rai		***	
(Field)	County or Sub	en2	(State or Territory)	
• •		·		
he elevation of the derrick floo	r above sea level i	s .5018 . ft.		
	DETAILS	OF WORK		
State names of and expected depths to obje			res indicate mudding ich	s. cement-
	ing points, and all other i	mportant proposed work)		-,
Drilled 7-7/8" hole to	5730' and cem	ented 5717° of 5-1/2	P C.D. casings	it 57291
with 250 sacks of come			of cement 4550	. Ter
casing with 1000# pres	sure. Tested	OK.		
			· •	
I understand that this plan of work mus	t receive approval in writi	ng by the Geological Survey before	operations may be comm	nenced.
Company The Texas Comp	eny		,	
Joinparty	2023			
Address Box 81.7			DL (()//	
		d	Al thense	
Farmington, Ne	w Mexico	By/	1 crya	1
_		· //	//	

W/

Title_

W/

Form 9-330



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCA		CORRECTLY							
	AIS: WELL	CORRECTET							
-	•					Box 817, F			
Lessor o	or Tract	Navajo Tr	ribe "J") 	Field	Laray	State -	Utah	
						SIM Cou			
Location	n 660	ft. of N	Line a	nd 1980 :	ft. E. of W	Line of -Section	n 20	- Elevat	tion - 501
Th	e informa	tion given h letermined fo	erewith is	a comp railable r	lete and correct	record of the w	ell and all	work do	one there
Date	Octo	ber 24, 19)58			TitleDi	strict S	uperin	t endent
		-				at above date	/		
Comme	enced drill	ing	August	2,,	19 58 Finish	ed drilling	gust 25,		, 19. .5
			OI	LORC	SAS SANDS O	R ZONES			
					(Denote gas by G)				
		56761				from			
No. 2, f	from		to		No. 5,	from	to		
No. 3, f	from		to		No. 6,	from	to .		
			1	MPORT	ANT WATER	SANDS			
No. 1. 1	from	None				sands from	to		
•		Nonn	to		No. 3,	from			
•		None	to		No. 3,	from			
No. 2,	from		to	C/	No. 3, No. 4, ASING RECOR	from			
•			to		No. 3, No. 4, ASING RECOR	from	to		
No. 2, 1	from	Threads per inch	to	C/	No. 3, No. 4, ASING RECOR	from	Perfora From—	ted	Purpos
No. 2, 1	Weight per foot	Threads per inch	to	Amoun 89	No. 3, No. 4, ASING RECOR	from from Cut and pulled from None	Perfora From—	ted To—	Purpos
No. 2, 1	Veight per foot	Threads per inch	to	Amoun 89 1488	No. 3, No. 4, ASING RECOR	from	Perfora From—	ted To—	Purpos
No. 2, 1	Weight per foot	Threads per inch	to	Amoun 89 1488	No. 3, No. 4, ASING RECOR	from from Cut and pulled from None	Perfora From—	ted To—	Purpos
No. 2, 1	Veight per foot	Threads per inch	to	Amoun 89 1488	No. 3, No. 4, ASING RECOR	from from Cut and pulled from None	Perfora From—	ted To—	Purpos
No. 2, 1	Veight per foot	Threads per inch	to	Amoun 89 1488 5500 217	No. 3, No. 4, ASING RECOR Kind of shoe None Raker	from from Cut and pulled from None	Perfora From—	ted To—	Purpos
No. 2, 1	Veight per foot	Threads per inch	to	Amoun 89 1488 5500 217	No. 3, No. 4, ASING RECOR Kind of shoe None Raker	from from RD Cut and pulled from None	Perfora From—	ted To—	Purpose
Size casing 3/8 -5/8 1/2 -1/2	Veight per foot 48 14 14 1,5 5	Threads per inch R R R R R R R R R R R R R R R R R R R	Make Make Suls Suls MUDI	Amoun 89 1488 5500 217	No. 3, No. 4, ASING RECOR Kind of shoe None Raker Daker	from	Perfora From—	ted To-	Purpose
Size casing 3/8 -5/8 1/2 -1/2	Veight per foot 48 14 14 1,5 5	Threads per inch R R R R R R R R R R R R R R R R R R R	Make Make Suls Suls MUDI	Amoun 89 1488 5500 217	No. 3, No. 4, ASING RECOR Kind of shoe Raker Baker Method used Halliburton Halliburton	from from RD Cut and pulled from None None None None Mud gravity	Perfora From—	ted To-	Purpose
Size casing 3/8 -5/8 1/2 -1/2	Veight per foot 48 14 14 1,5 5	Threads per inch SR SR SR SR SR SR SR SR	Make Make Suls Suls Suls MUDI ber sacks of c 1250	Amoun	No. 3, No. 4, ASING RECOR Kind of shoe None Raker Daker Method used Halliburton	from from RD Cut and pulled from None None None None Mud gravity	Perfora From—	ted To-	Purpose
Size casing 3/8 - 5/8 - 1/2 - 1/2 - Size	Veight per foot 48 14 14 1,5 5	Threads per inch SR SR SR SR SR SR SR SR	Make Make Suls Suls MUDI ber sacks of c 125	Amount 89 1488 5500 217 DING A ement	No. 3, No. 4, No. 4, ASING RECOR Kind of shoe None Raker Baker No Method used Halliburton Halliburton Halliburton	from	Perfora From—	ted To-	Purpose
Size casing 3/8 1/2 1/2 Size casing 1/2 1/2	Veight per foot 48 14 14 1,5 5	Threads per inch SR SR SR SR SR SR	Make Make Suls Suls Suls MUDI ber sacks of c 1250	Amount 89 1488 5500 217 DING A ement	No. 3, No. 4, ASING RECORM Kind of shoe None Reker Baker Method used Halliburton Halliburton Halliburton	from	Perfora From—	ount of m	Purpose

	1500 5725		- 1250 ke coment and	1	1		
-172	J:#3	1	lors contract	1	ALA 		
				S AND ADA	PTER	RS	
Heaving	g plug—M	aterial					th set
				Size			
2Kdap to 1	5 Materia	CCI	TAKEN MAN	OOTING RE	•		
<u></u>	Gr. 11			1	Date	Depth shot	Donth stored out
Size	Snei	used	Explosive used	Quantity		Deptil shot	Depth cleaned out
None-							
			r: : 1				
				TOOLS LISE	'D	*	
Poterry	toola word	used from		TOOLS USE		and from	feet to
							feet to
Cable to	ools were u	sed from	None feet		t eet	, and from	feet to
			4.0	DATES			
			, 19	Put	to pro	iucingTo	sted 8-28-
$\operatorname{Th}\epsilon$	e <mark>producti</mark>	on for the	first 24 hours was				-96 % was oil;
emulsion	n;%	water; and	% sediment.	4		Gravity, °Bé	42.20
					ng mag		u. ft. of gas
					no Sas	onne per 1,000 e	u. 10. 01 gas
Roc	ck pressur	e, lbs. per s	sq. in			•	
			ווי ת	EMPLOYER			•
0	H. Reid		, Drillei	r		J. J	• HcKinney
			, Driller	r			• HcKinney
	H. Reid Mc Arti m		, Driller	r		· •	
	l'careini		, Driller	MATION RI		· •	
FROM	M-	то	FOR	MATION RI	ECORI	FORMAT	
FROM	MCAPTINI	то <u>то</u>	TOTAL FE	MATION RI	San	FORMAT	
FRO:	McArthu	то— 550 610	FOR TOTAL FEE 550 260	MATION RI	San San	FORMAT	
FRO:	MCAPTINI	550 810 1632	FOR TOTAL FEE 550 260 822	MATION RI	San San San	FORMAT I & Shale I & Shale	
FROM 550 810 1632	MCAPTINE	550 810 1632 2459	550 260 822 827	MATION RI	Sanc Sanc Sanc Shal	FORMAT I & Shale I & Shale	
FROT 550 810 1632 2459	M-	550 810 1632 2459 2792	550 260 822 827 333	MATION RI	Sanc Sanc Sanc Shal Shal	FORMAT I & Shale I & Shale Le & Sand	
FROM 550 810 1632 2459 2792	M-	550 810 1632 2459 2792 2818	550 260 822 827 333 26	MATION RI	Sand Sand Sand Shall Shall Shall	FORMAT I & Shale I & Shale Le & Hand Le & Lime	
FROM 5500 8100 1632 2459 2792 2818	MCAPTINI	550 810 1632 2459 2792 2818 3148	550 260 822 827 333 26 330	MATION RI	Sanc Sanc Sanc Shal Shal Shal	FORMAT I & Shale I & Shale Le & Mand Le & Lime Lle	
FROM 5500 8100 1632 2459 2792 2818 3148	M-	550 810 1632 2459 2792 2818 3148 3517	550 260 822 827 333 26 330 369	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Hand Le & Lime Lle & Sand	
FROM 550 810 1632 2459 2792 2818 3148 3517	M-	550 810 1632 2459 2792 2818 3148 3517 3755	550 260 822 827 333 26 330 369 238	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Sand Le & Lime Le & Sand	
FROM 550 810 1632 2459 2792 2818 3148 3517 3755	MCAPTINE M— 10 10 10 10 10 10 10 10 10 10 10 10 10	550 810 1632 2459 2792 2818 3148 3517 3755 4181	550 260 822 827 333 26 330 369 238 426	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Sand Le & Sand Le & Sand	
FROM 550 810 1632 2459 2792 2818 3517 3755 4181	M-	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411	550 260 822 827 333 26 330 369 238 426 230	MATION RI	Sanc Sanc Shal Shal Shal Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Sand Le & Sand	
FROM 5500 8100 1632 2459 2792 2818 3148 3517 3755 4181 4411	MCAPTINI M—	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709	550 260 822 827 333 26 330 369 238 426 230	MATION RI	Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Hand Le & Lime Le & Sand Le & Sand Le & Sand Le & Sand Le & Lime	
FROM 5500 8100 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709	MCAPTINI M—	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836	550 260 822 827 333 26 330 369 238 426 230	MATION RI	Sanc Sanc Shal Shal Shal Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Hand Le & Lime Le & Sand Le & Sand Le & Sand Le & Sand Le & Lime	
FROM 550 810 1632 2459 2792 2818 3148 3517 3755 4181 44709 4836	MCAPTINE M— 10 10 10 10 10 10 10 10 10 10 10 10 10	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709	550 260 822 827 333 26 330 369 238 426 230	MATION RI	Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Hand Le & Lime Le & Sand Le & Sand Le & Sand Le & Sand Le & Lime	
FROM 5500 8100 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709	MCAPTINE M— 10 10 10 10 10 10 10 10 10 10 10 10 10	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836	550 260 822 827 333 26 330 369 238 426 230 298 127	MATION RI	Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Sand	
FROM 550 810 1632 2459 2792 2818 3148 3517 3755 4181 44709 4836	MCAPTINE M— 10 10 10 10 10 10 10 10 10 10 10 10 10	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265	550 260 822 827 333 26 330 369 238 426 230 298 127 429 113	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Sand	
750 550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265 5378	MCAPTINE M— 10 10 10 10 10 10 10 10 10 10 10 10 10	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265 5378 5430	550 260 822 827 333 26 330 369 238 426 230 298 127 429 113	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Lime Lime	FORMAT I & Shale I & Shale Le & Sand Le & Shale S & Shale	
FROM 550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265	M- NCAPTINE M- NO NO NO NO NO NO NO NO NO N	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265 5378	550 260 822 827 333 26 330 369 238 426 230 298 127 429 113	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Shal	FORMAT I & Shale I & Shale Le & Hand Le & Lime Le & Sand Le & Sand Le & Sand Le & Shale R & Shale R & Shale	
FROM 5500 8100 1632 2459 2792 2818 3148 4411 4709 4836 5265 5378 5430 5719	MCAPTINI M—	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265 5378 5430 5719 5730	550 260 822 827 333 26 330 369 238 426 230 298 127 429 113 52 289	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Lime Lime Lime	FORMAT I & Shale I & Shale Le & Hand Le & Lime Le & Sand Le & Sand Le & Sand Le & Shale R & Shale R & Shale	
FROM 550 810 1632 2459 2792 2818 3148 4411 4709 4836 5378 5430 5719 Total	M- M- Depth	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265 5378 5430 5719 5730	550 260 822 827 333 26 330 369 238 426 230 298 127 429 113 52 289 11	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Lime Lime Lime	FORMAT I & Shale I & Shale Le & Hand Le & Lime Le & Sand Le & Sand Le & Sand Le & Shale R & Shale R & Shale	
FROM 550 810 1632 2459 2792 2818 3148 4411 4709 4836 5378 5430 5719 Total	M- M- Depth	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265 5378 5430 5719 5730	550 260 822 827 333 26 330 369 238 426 230 298 127 429 113 52 289 11	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Lime Lime Lime	FORMAT I & Shale I & Shale Le & Hand Le & Lime Le & Sand Le & Sand Le & Sand Le & Shale R & Shale R & Shale	
FROM 550 810 1632 2459 2792 2818 3148 4411 4709 4836 5378 5430 5719 Total	M- M- Depth	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265 5378 5430 5719 5730	550 260 822 827 333 26 330 369 238 426 230 298 127 429 113 52 289 11	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Lime Lime Lime	FORMAT I & Shale I & Shale Le & Hand Le & Lime Le & Sand Le & Sand Le & Sand Le & Shale R & Shale R & Shale	
FROM 550 810 1632 2459 2792 2818 3148 4411 4709 4836 5378 5430 5719 Total	M- M- Depth	550 810 1632 2459 2792 2818 3148 3517 3755 4181 4411 4709 4836 5265 5378 5430 5719 5730	550 260 822 827 333 26 330 369 238 426 230 298 127 429 113 52 289 11	MATION RI	Sanc Sanc Sanc Shal Shal Shal Shal Shal Shal Shal Lime Lime Lime	FORMAT I & Shale I & Shale Le & Hand Le & Lime Le & Sand Le & Sand Le & Sand Le & Shale R & Shale R & Shale	

OGINE Fabr

FORMATION RECORD—Continued

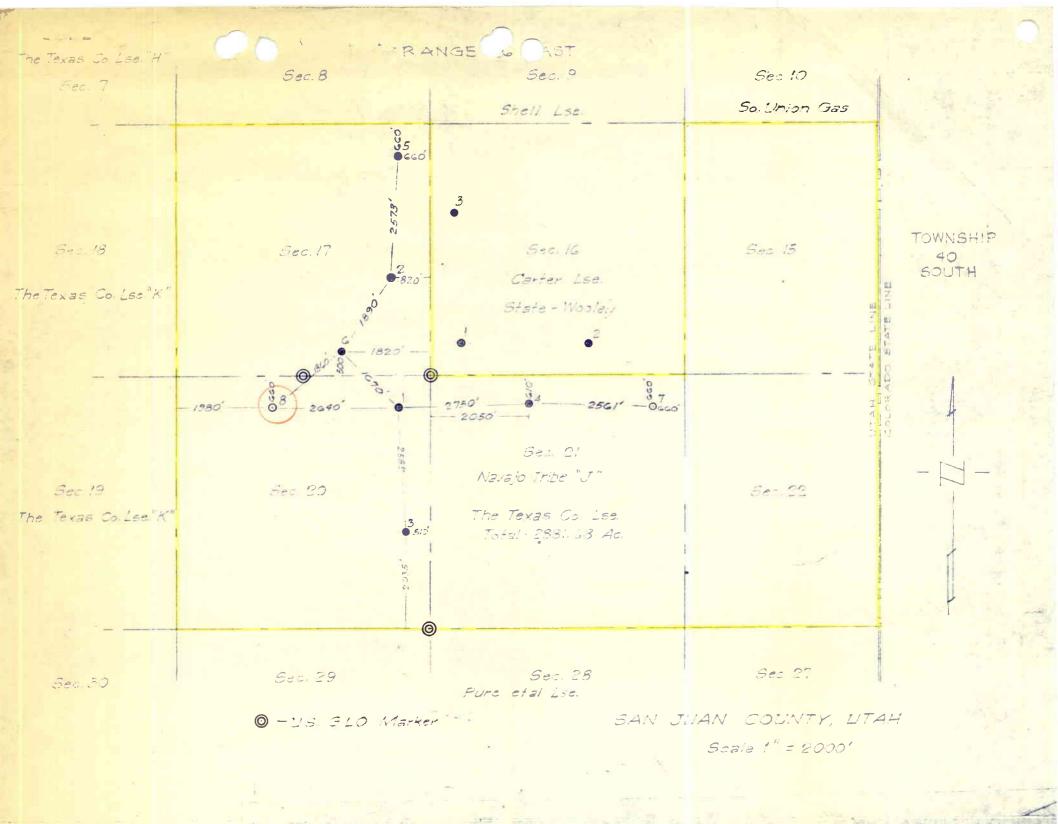
FROM-	то	TOTAL FEET	FORMATION	
			FORMATION !	TOPS
			Navajo	1019* 1258* 1303* 1556* 2615* 2667* 2724* 4618*
			HOLE SIZE 01 to 1001 = 17-1/4"	
			100' to 1500'- 11" 1500' to 5730'- 7-7/8"	
			DEVIATION TE	<u>573</u>
•			800† - 1/4° 3 1900† - 1° 4 2386° - 3/4° 5	550' -11/2° 960' -3/4° 585' -1/2° 050' -1/2° 500' -3/4°
			grade Stevenstern in Application	•
		1	NST #1 - 5595' to 5649'. hours with strong blow of surface in 63 minutes. heavy oil and gas cut dr	f air and gas to Recovered 420° of illing and 60° of
	1		free oil from drill pipe All measurements from de above ground.	
			A Service of the serv	
r umar			· · · · · · · · · · · · · · · · · · ·	1 (4) (40) 1

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

After drilling to 5780' and comenting 5-1/2" casing, top of cents plug was found to be at 5714' (P.B.T.D.). Perforated 5-1/2" casing from 5676' to 5684' with 4 jet shots per foot. Ran 2" tubing to 5693' with packer set at 5631' and washed perforations with 500 gallens regular 15% acid. After swabbing, well flowed 172 barrels of oil in 24 hours.



This is to certify that the courses, distances and objects reflected on the plat to which this certificate is affixed were observed and compiled under my supervision and, according to my best knowledge and belief, are true and correct.

Subscribed and Sworn to this the 23rd day of July, A.D. 1958.

NotaryPublic in (and for Tarrant County, Texas.

Head Draftsman The Texas Company

- State of Texas

Indian	Agency	Navajo_

I	•	

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Allottee	Managaran an a
Lease No	I-149-IND-9124

71-K

SUNDRY NOTICES AND REPORTS ON WELLS

3-10

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	INSTALLATION OF PURPING EQUIP, I

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Navajo Tribe "J"	February 10,				
Well No	ed 660 ft. from \mathbb{R}^{N} line and	1880ft. from line of	sec. 20		
NWt of Section 20	40-3 26-E	SIM			
(¼ Sec. and Sec. No.)	(Twp.) (Range)	(Meridian)			
Ismay	San Juan	Utah			
(Field)	(County or Subdivision)	(State or Territory)			
	و في سر و				

The elevation of the derrick floor above sea level is 4784 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Installed pumping equipment and well commenced pumping November 17, 1958. On pumping test ending December 31, 1958, well pumped at the rate of 52 barrels of oil and 5-1/2 barrels of water in 24 hours. Length of pump stroke 42" with 10 strokes per minute.

I understand	that this plan of work must receive approval in writing by	the Geological Survey before operations may be commenced.
Company	The Texas Company	
Address	Box 817	
	Farmington, New Mexico	By C.H. Mclast
		Title Asst. Dist. Supt.



(April 1952)						
	•					

Form 9-331 b

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

Indian Agency NAVA JO		

Allottee		
Loase NoI#149#IND#91	6	

	-	Double 110 January	11.	L.
SUNDRY NOTICES	ΑN	D REPORTS ON WELLS		_
NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF		/
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY		_

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

		January 13 , 19.60	<u></u>
Navajo Tribe "J" Well No. 3 is located	.660ft. from $\binom{N}{8}$ line	and 1980 ft. from $\left\{\begin{matrix} \mathbf{K} \\ \mathbf{W} \end{matrix}\right\}$ line of sec. 20	
*	40-S 26-3 (Twp.) (Range)	(Meridian)	
[SiPey (Field)	(County or Subdivision)	(State or Territory)	

The elevation of the derrick floor above sea level is 4734, ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Moved in swabbing unit, pulled rods and tubing, and commenced workover 11-19-59. Perforated 5-1/2" casing from 5615' to 5622', 5628' to 5636' and 5642' to 5648' with 4 jet shots per foot. Acidized lower perforations (5675' to 5684') with 500 gallons of XFW acid. Set retainer at 5662' and acidized upper perforations (5615' to 5648') with 2000 gallons of XFW acid. Drilled out retainer at 5662'. Ran rods and tubing and put well back to pumping. After pumping well several days to stabilize pump rate, well was tested on 11-30-59. On test well pumped 177 barrels of 41.6° gravity oil in 24 hours. Length of pump stroke 42" with 10 strokes per minute.

I understand	that this plan of work must receive approval in writing by the	Geological Survey before operations may be commenced.
Company	TEXACO Inc.	
Address	Box 817	
	Farmington, New Mexico	By C. H. Mclast
		Title Asst. Dist. Sup't.
,	H C COVERNMENT BRINTING CERTICS	16

	ل ED STATES DEPARTMENT OF THE IN	(Other instruction n	E* Form approved. Budget Bureau No. 42- 5. LEASE DESIGNATION AND SERIA
λ	GEOLOGICAL SURV	· -	I-149-IND-9124
SUIP	NDRY NOTICES AND REPOR	RTS ON WELLS	6. IF INDIAN, ALLOTTER OR TRIBE
	s form for proposals to drill or to deepen of Use "APPLICATION FOR PERMIT—" for		Mayajo
	OSE ATTIONTION FOR THIS	Buch proposess.	7. UNIT AGREEMENT NAME
OIL GAS WELL	OTHER		Empy-Floding Pa
NAME OF OPERATOR	APara II.		8. FARM OB LEASE NAME
TEXACO			9. WELL NO.
· · · · · · · · · · · · · · · · · · ·	O, Farmington, New Mex	1100 87401	4120
. LOCATION OF WELL (See also space 17 be	Report location clearly and in accordance w		10. FIELD AND POOL, OR WILDCAT
At surface			11. SEC, T., B., M., OF BLK. AND
660' from	North Line and 1980'	from West line	STRVEY OR AREA
			20, 3405, A265, 1
14. PERMIT NO.	15. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)	12, COUNTY OR PASISH 18. STAT
6.		cate Nature of Notice, Report, or	나는 사람들은 물리를 가지 않는데 얼마를 받는데 되었다.
	NOTICE OF INTENTION TO:	SUBS	EQUENT REPORT OF:
TEST WATER SHUT-		WATER SHUT-OFF	BEFAIRING WELL
FRACTURE TREAT SHOOT OR ACIDIZE	MULTIPLE COMPLETE ABANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERING CASING ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other)	
(Other)Conve	rt to water inject. Z	(Note: Report rest Completion or Reco	its of militiple completion on Well inpletion Report and Log form,)
7. DESCRIBE PROPOSED (OR COMPLETED OPERATIONS (Clearly state all parties of the complete of the comp	pertinent details, and give pertinent dat ace locations and measured and true ver	es, including estimated date of starti
nent to this work.			ticai meptus for ail markers and fone
2000 00 0000 0000	,•		tical peptus for all markers and some
Proposed r	remedial work is for t	he purpose of conve	ting woll from
Proposed r	remedial work is for to to water injection st	he purpose of conve	ting woll from
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Proposed r producing be as foll Using retr	remedial work is for to to water injection at lows: rievable bridge plug as	he purpose of conver atus. Procedure for nd packer, treat per	ting well from werkever will forestone 56/6' to
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Proposed reproducing be as foll Using retroses with 5684 with 5648 with with injection of the second secon	remedial work is for to water injection at lows: rievable bridge plug at 2500 gallons of 28% is 3000 gallons of 28% is tion packer at 5550.	he purpose of converted atus. Procedure for the packer, treat per Hel acid and performed acid. Run plast and commence water in the packer of the performance water in the packer of the performance water in the performance	Ting woll from well welling to be seen to the seen to

Form 9–331 May 1963)	ITED STATES	SUBMIT TI ICAT	
DEP.	ARTMENT OF THE INTE	RIOR verse side)	5. LEASE DESIGNATION AND SERIAL N
X	GEOLOGICAL SURVEY		6. IF INDIAN, ALLOTTES OR TRIBE NA
	NOTICES AND REPORTS		
(Do not use this form for Use "A	r proposals to drill or to deepen or pl PPLICATION FOR PERMIT—" for su	ug back to a different reservoir.	
OIL GAS			7. UNIT AGRESMENT NAME
WELL WELL OF	THER Water Injection	u merr	8. FARM OR LEASE NAME
TEXACO Inc.			
ADDRESS OF OPERATOR	Man Mandan	Parket.	9. WELL NO.
	ngton, New Max160 cation clearly and in accordance with	any State requirements.*	10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface	cation cicary and in accordance with	an, 2000 10qui on 0000	I Smoy
660' from North	line and 1980' fr	om West Line	11, SEC., T., BIJM., OR BLE. AND SURVEY OR AREA
	. -		
4. PERMIT NO.	15. ELEVATIONS (Show whether	er DF. RT. GR. etc.)	12. COUNTY OF PARISH 13. STATE
. PEGHIL NO.	A minutes at a second		Sin June Stab
Cho	ck Appropriate Box To Indicat	e Nature of Notice Report of	Other Data
	F INTENTION TO:		EQUENT REPORT OF:
	l	WAMER STILL ONE	REPAIRING WELL
TEST WATER SHUT-OFF FRACTURE TREAT	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other)	
(Other)		Completion or Reco	ilts of multiple completion on Well impletion Report and Log form.) tes, including estimated date of starting
injection state Commenced works	mover was to conver 18. 19. 19. 2-12-66. 11. 1008 5676 to 5684		
Treating present	re was 3800 to 360 minute. Instant s	0 psi with an aver hut-in pressure w	age injection rate is a vacuum. Treate
periorations of	\$15' to 5648' with \$50 to 5200 pei wit		tion rate of 8 barr
The property of the second sec	estant shut-in pres		had plantle lined
tubing and inje	ection packer and a	et packer at 5607'	. On test secing
3-6-65. injects	d water at the rat	e of 440 barrels p	or 24 hours with an
injection press	nure of 1850 psi.		
			- 19 1 (19 1년) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
. I hereby certify that the for	oraing is true and correct		
, I hereby certary that the last		District Superint	
SIGNED (## / 1 / 1 / 1 / 1 mrm m		
	TITLE _	STORITE CONSTITUTE	- 25 - 25 - 25 - 25 - 25 - 25 - 25 - 25

Ü

TITLE _

APPROVED BY ______CONDITIONS OF APPROVAL, IF ANY:

C. S. THOMSON

C. R. HENDERSON

M. V. HATCH

J. H. REESE D. M. DRAPER

EXECUTIVE DIRECTOR

C. B FEIGHT



PETROLEUM FNGIMEERS
PAUL W. BURCHELL
CHIEF ENGINEER

THE STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH 84111

DAvis 8-5771

March 17, 1966

Texaco, Inc.
P. O. Box 810
Farmington, New Mexico

Gentlemen:

On January 26th and 28th we received Notices of Intention to Convert the following wells to Water Injection. However, as of this date, we have not received subsequent reports on the operations conducted:

Isma:	y F10	odin	ie :	Park	Un:	Ĺt]	No.	\mathbf{T}	118,	Ismay	/ F1	od i r	ıe .	Parl
Sec.	18,	T.	40	S.,	R.	26	Ε.			Sec.	16,	T.	40	S.

Ismay Flodine Park Unit No. T 318, Sec. 18, T. 40 S., R. 26 E.

Ismay Flodine Park Unit No. T 117, Sec. 17, T. 40 S., R. 26 E.

Ismay Flodine Park Unit No. T 119, Sec. 19, T. 40 S., R. 26 E.

Ismay Flodine Park Unit No. T 120, Sec. 20, T. 40 S., R. 26 E.

Ismay Flodine Park Unit No. T 316, Sec. 16, T. 40 S., R. 26 E.

Ismay Flodine Park Unit No. T 122, Sec. 22, T. 40 S., R. 26 E.

Ismay Flodine Park Unit No. V 128, Sec. 28, T. 40 S., R. 26 E.

Ismay Flodine Park Unit No. Q 413, Sec. 13, T. 40 S., R. 25 E.

Ismay Flodine Park Unit No. T 121,
Sec. 21, T. 40 S., R. 26 E.

Exumen

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANNETTE R. HANSEN RECORDS CLERK

arh

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING ROOM 4241 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 (801) 533-5771

FORM NO. DOGM-UIC-1

•		(RULE 1-5)		
IN THE MATTER OF THE APPLICATION TO A TO	ION OF	•		
ADDRESS P. O. BOX EE		- C	AUSE NO	
Cortez. Color	ado zip 813		ANCED RECOVE	Y INJ. WELL
NOIVIOUALPARTNERSHIPC	CORPORTATION_X	DISP	OSAL WELL	0
OR ADMINISTRATIVE APPROVAL NUECT FLUID INTO THE TEPO	TO DISPOSE OR	' 		
SEC. <u>20</u> TWP. 405	RANGE 26E	_		
San Juan	_ COUNTY, UTAH			
,		APPLICATION		
aparanana.	utherizes administ	rative approv	wing: of enhanced r	scovery injections or dispose
2. That the applicant sub-				
Ismay-Flodine Park	lell No. 	Field	Ismay .	County San Juan
location of Enhanced Recovery Injection or Disposal Well <u>NE Y4 N</u> U	w 44 sec 2	6	Two. 405	
New Well To So Drilled Yes 🗆 No 🛗	Old Well To Be Conve		Casing Tool	Ø No □ Dete At 5 19.58
Septh-Base Lawest Known 980'	Doos Injection Zone C Oil-Gas-Fresh Water I			State What 011 & Gas
ecetion of IFPU Producing W njection Source(s) and 3 Source wells	ells	Goologic Name) Ismay +	
Seelegic Name of Paradox-Ismay		Depth of Injection		
. Top of the Perforated Interval: 56/5	b. Bose of Fresh		c. Intervening Thic	
the intervening thickness sufficient to sh	ow frosh water will be	protected	4635	
vithout additional data? ithelegy of Intervening Zones		AR WO	-	
The state of the s	Anhydrite w/i	<u>ntermitten</u>	t shale lave	ers
Sandstone, Limestone,				
	Maximum		5	00 8/8
njetnen kenes and Pressures	Meximum		23	0.0_ s/o 0.0_ ps i
njetnen kenes and Pressures	Meximum		23	<u>0.0</u>
he Names and Addresses of These To Who The Navajo Tribe	Meximum		23	<u>0.0</u> PSI
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he Names and Addresses of These To Who The Navajo Tribe Box 146	Meximum		23	<u>0.0</u> PSI
he Names and Addresses of These To Who The Navajo Tribe Box 146 Window Rock, Arizon	Meximum	ication and Attack	23	O.O. PSI
he Names and Addresses of These To Who The Navajo Tribe Box 146	Meximum	ication and Attack	23	O.O. PSI

Notary Public in and for Colorado 728 N. Beech. Cortez, Co.

(OVER)

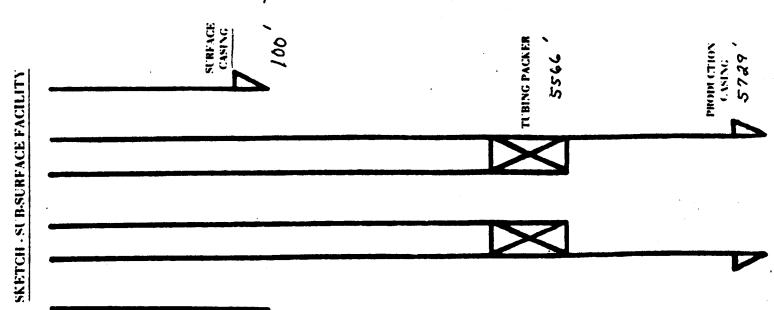
N Suscribe # and swern to before me this 16th . day of Dec . . 19 83

My commission expires 10/25/87

- 1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
 - 2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
- 3. Attach plat showing subject well and all known oil and gas wells, abandened, drilling end dry holes within ½ mile, tegether and with name of operator.
- 4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
 - 5. Attach Electric or Radioactivity Log of Subject well (if released).
- 6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of coment surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; goologic name of injection zone showing top and bottom of injection interval.
- 7. The original and 6 copies of application, and one complete set of attachments shall be mailed te the Division.
- 8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasohold within ½ mile of injection well.
- 9. Affidavit of mailing or delivery shall be filed not later than five days after the application is
- 10. Notice that an application has been filed shall be published by the Division in a newspaper of general disculation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of preposed injection or disposal well, injection zone, injection pressure and volume. If ne written objection is received within 15 days from date of publication the application will be approved administratively.
- 11. A well shall not be used for injection or disposal unless completed machine accounting form DOGM-UIC-3b is filed September 1st, each year.
- 12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

CASING AND TUBING DATA

NAME OF STRI	NG SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	133/8"	100	125	Cinculated	
Intermediate	85/8"	1500	1250	Circulatid	
Production	51/2"	5729	250	4550	Calculated
Tubing	2 3/8 "	5566	5% Nom	e - Type - Depth of	Tubing Pocker 5566
Total Depth 5730	Geologic Name - In		h - Top of Inj. In 56/5	terval Depth	- Base of Inj. Interval 56.84



uc.1							
) 2	To be Med v	ulthin 30 da	ys ofter driff	ing is comp	loted) I-	149-14	10-41
	PARTMENT	MEION OF OR RESIDENCE SAID LOS OF THE SAID LOS	AL RESOURCE, GAS, AND M sec Office Built My, Unch Boll- II SEC. MATTER T te 7. S may - F I THE PART OF THE MATTER PROBUCTION FROM & Green	E W NW	NERGY NP. 40S Inc. BOX EE EXP C: THE HO. COMPLIE LE 20 PT. H	- RGE	26 E
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Cool	ng Sel	CASIMO	& CRMBHT Cop. Test		Coment		
Const	ng Sot	CASSING		See	Comand	70	•
Wgs	ng Sat	Post		5m	Comont	7.	» ula te
48	ng Set	Foot /00	Cog. Test	5m 725 725	Coment	Circ	ula fe
Wgs	ng Sol	Post		3m 725 7250 256	Comont	CIRC	ulate culate
	Di D	(To be Med of DEPARTMENT) DEPARTMENT OF THE TOTAL OF TH	TEMAY Code Notes of the Control of t	TEMAY Order No. COLORIO STARTED OF COMBINED OF COMBINED STARTED O	(To be filed within 30 days after drifting in comp DEPARTMENT OF NATURAL RESOURCES AND EI OMISION OF OIL, GAS, AND MINING Neam 4241 State Office building Soft take City, Unit 84114 COUNTY San sec. 20 TO COMPANY OFFICATION I EXACO OFFICE ABBRESS P. 0. TOWN Cortex STAT FARM NAME I SMBY - Floding SMALLING STARTED BAT TO SY BON BATE OF THIST PRODUCTION WILL LOCATED NEW OFFI SEC. A 11 REVATION SERVICE PLOOR SOLL REVATION SERVICE PLOOR SOLL OFFI OR OFFI SAN SOLL OFFI	(To be filed within 30 days after drifting is completed) I— DEPARTMENT OF NATURAL RESOURCES AND ENERGY DIVISION OF OIL, GAS, AND MINING Reem 4241 State Office Building Sub Labo Cay, Unit Ballia COURTY San sec 20 two, 40S COMPANY GRANTONS TEXACO Inc. GRICE ABBRESS P. 0. BOX EE TOWN COTTEZ STATE 20 C. FARM NAME IS MAY - Flod in General NO. BERLING STARTED 22 19 50 DEBLING FINISH BATE OF FIRST PRODUCTION COMPL WELL LOCATED N.	(To be Med within 30 days after drilling in completed) \$I - 149-14\$ DEPARTMENT OF NATURAL RESOURCES AND ENERGY SIMBLE OF OIL, GAS, AND MINING Resen 4241 State Office building Solt Lake City, Unit B4114 COUNTY San Sec. 20 TWP. 40S. RGE. COMPANY OFFICATION TEXACO Inc. OFFICE ADDRESS P. 0. BOX EE TOWN COTTEZ STATE 2P COLO. PARM MAME IS MAY - Flod in GWELL NO. 77/c SMILLING STARTED \$2 TYPE OF DEBLING MINISHED \$-24 BATE OF MIST PRODUCTION COMPLETED \$- WELL ECCATED N. NEW W. W. GGO. 97. FROM & OFG. SPC. A. 1920 97. FROM W. G. BEVATION SERVICE PLOOR 50/8 GROUND 50/8 BEVATION SERVICE PLOOR 50/8 GROUND 50/8 Order No. Order

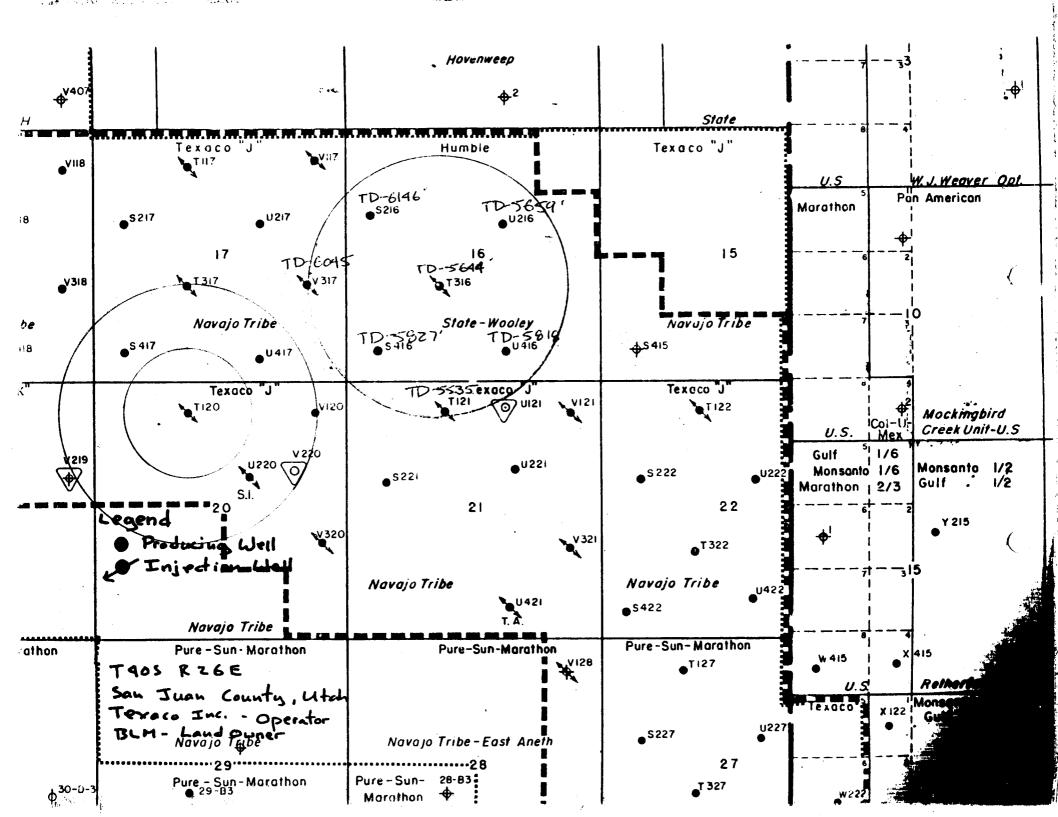
	retion a test data by (2	•
PORMATION	Ismay	ISMAY	
PACING & SPACING DEDER NO.	80 acre		
CLASSIFICATION (Oil; Ges; Dry; Inj. Well)	0.11	3-6-66	
PERFORATED	5615-22, 5628-36	Con to WI SAME Perfs	
	5642-48,562-34	SAME PEFFS	<u> </u>
INTERVALS			
ACIDIZED?	2500 Jal XFW 44	1 5500 441 28%	tc L
PRACTURE TREATENT			
NITIAL TEST DATA			
Date :	11-30-59	3-6-66	I
Off. bbl./day	177 8000	3-0-06	
Oil Gravity	41.6		
Ges. Co. Pt./day	σ	ø	
Gas-Oil Ratio Co. Pt./Bbl.			
Water-Bbi./day		440 86100/18	50 psi
Pumping or Mowing CHOKE SIZE	Pumping	,	
Now Iveling Pressure			
A record of the formation	ne drilled through, and po	rtinent remarks are present	had on the reverse.
the understaned, being first granding is the reach of this	duly swern upon eath, ste	to that this well record is	rus, cornect and compl
deshin 1-303-56 State of Colore County of Monto	ezuma 16ther	December.	Field Si
y commission ex	xpires 10/25,	/87 J. A. N. Beech, Co	ybel

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NL Treating Chemicals/NL Industries, Inc.

					SHEET NO	₩ E R
COMPANY					DATE	
TEXACO, TA	JCORPORATED		I COUNTY OR PAPISH		5 AFR	= 1 =
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DISSOLVED SOLIDS			DISSOLVED	GASES		
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ron (Total) Ferr	0.5	10	O PHYSICAL PI	ROPERTIES		
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A CONTRACTOR OF THE CONTRACTOR			•			
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_ ~	E D TEMPORARY
PERMANENT ROUTIN	E D IEMPORAT
	(LOCATION) (DATE) 19
	Subject: Water analysis from
	Nava TO Flauster
	10400 To Lianten
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Anoth Unit HALS	
Location- SEYA - SEYA SOCIS, TA	75 K 24 E
Sample Nate - 1-17-59	
Oppin : Nounto Aciairan	
Tono- 67° F.	*
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TOtal Oissolved Solicle - 2573	00%
5102 - 160pm CO3	= - 130 pom
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	=599 ppm
	_ • 1 1
Nd+ - 76 ppm C1-	- 757 ppm
1 1 1 1 6 1 2	
Anoth Unit GAZZ	71-20745
Location - SW/2 - SE/4 Sec 22	, 14U2, 14 X4 E
Sample Date- 1-18-59	
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70361 Discolved Solido - 2823	<u> </u>
5,0-1700m CO3-0	425.00m
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If letter requires reply prepare in triplicate, for-	Pox 2100
warding original and duplicate, and retain copy.	35. QD .35
and in	8030/ By



CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

	E Sec. 20 API# 43-037-164
WellConversion Disposal We	11 Enhanced Recovery Well
	YES NO
UIC Forms Completed	
Plat including Surface Owners. Le and wells of available record	easeholders,
Schematic Diagram	
Fracture Information	
Pressure and Rate Control	
Adequate Geologic Information	
Fluid Source	Sanay
Analysis of Injection Fluid	Yes No TOS 8/3
Analysis of Water in Formation to be injected into	Yes No Tos 813
Known USDW in area	Mary Depth 980
Number of wells in area of revie	w <u>Le Prod. 4 P&A O</u> Water O Inj. 2
Aquifer Exemption	Yes NA
₹ Mechanical Integrity Test	Yes No
	DateType
ments: 10 C 4550	



355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 12, 1987

CERTIFIED RETURN RECEIPT REQUESTED POOL 861 910

Texaco, Incorporated Post Office Box EE Cortez, Colorado 81321

Attn: A.A. Kleier

Gentlemen:

RE: Mechanical Integrity of Injection Wells in the Ismay-Flodine Park and Aneth Units

Recent field work and monthly reports have revealed probable tubing, packer and/or casing leaks in several injection wells located in the subject units. The following wells appear to have excessive casing pressure:

ANETH UNIT	ISMAY-FLODINE PARK UNIT
B-312	T-121
C-124	T-316
E-413	T-327
F-222	V-220
F-422	T-120 405 26E Sec 20
G-120	
G-136	
H-222	
H-227	
H-410	
H-427	
F-423	

Please submit written notice of Texaco's efforts to maintain proper mechanical integrity in these wells, include an evaluation of existing conditions, and future plans and schedules for corrective actions.

Page 2 June 12, 1987 A.A. Kleier

Thank you for your continued cooperation. If you have any questions regarding this request or the operation of Class II injection wells in Utah, please call.

Sincerely,

Gil Hunt UIC Manager

mfp 0134U/77



Texaco



TEXACO INC.
P. O. BOX EE
Cortez, CO. 81321
June 30, 1987

DIVISION OF OIL, GAS & MINING

Mr. Gil Hunt UIC Manager State of Utah Natural Resources 355 W. North Temple Suite 350 Salt Lake City, Utah 84180

Dear Mr. Hunt,

In response to your attached letter dated June 12, 1987, Texaco is aware that some of our injection wells at our Aneth Unit and our Ismay Flodine Park Unit have revealed probable tubing and/or packer leaks. Texaco does not feel that casing leaks have developed since the casing and tubing pressure are the same. The casing pressure would be substantially less if a casing leak were present.

Texaco is presently attempting to perform 3 to 4 UIC repairs per month depending on manpower and budget. A well with a suspected casing leak is immediately shut in to prevent any possible environmental contamination. Our plans for the remainder of 1987 are to continue to repair several wells per month until all wells experiencing annulus pressure are repaired. Please note that Aneth Unit F222, H222 and H410 were worked on and repaired in June 1987. The IFPU V220 should be corrected to U220.

Texaco realizes the importance of maintaining the integrity of our injection wells. We will continue to work toward eliminating all wells with mechanical problems and attempt to identify on going failures in a timely manner. Texaco appreciates your cooperation regarding this matter and will continue to work closely with your department in correcting any inadequacies.

Please contact the Cortez office if you have any question regarding this matter.

Sincerely,

Alan A. Kleier

Attachment

cc: LAA file

Utah Division of Oil, Gas, and Mining Casing - Bradenhead Test

Operator:

TEXACO INC.

Field/Unit: ISMAY

Well:

T-120

Township: 40S Range: 26E

Sect:20

API:

43-037-16459

Welltype: INJW

Max Pressure: 2300

Lease type: INDIAN

Surface Owner:

BLM

Last MIT Date:

08/01/58

Witness:

Test Date: 9/13/88

9.06 AM

CASING STRING

SET AT SIZE

PRESSURE

OBSERVATIONS

Surface:

133/8

100

ent to surface

Intermediate:

8 5/8

1500

Production:

5 1/2

5729

Other:

0

Tubing:

2 3/8

900

Packer:

5566

Recommendations:

San Juan

Utah

Forn	n OG	CC+	I	be

14. PERMIT FO.

	ATE OF UTAH SERVATION COMMISSION	SUBMIT IN TRIPLICATES (Other instructions on reverse side)	5. LEASE DESIGNATION AND SERIAL NO. I-149-IND-9124
	TICES AND REPORTS ON THE PROPERTY OF THE PROPERTY OF SUCH PROPERTY. THE PROPERTY OF SUCH PROPERTY. THE PROPERTY OF SUCH PROPERTY.		6. IP INDIAN, ALLOTTES OR TRIBE NAME Navajo
OIL QAR OTHER	Injection Well		7. UNIT AGREEMENT NAME ISMAY Flodine Par
Texaco Inc.	(505) 325-4397		S. PARM OR LEAGH MAME 9. WELL NO.
0000 37 - 5-1-1	Farmington, NM 87	401 te requirements.*	T120 10. FIRED AND POOL, OR WILDCAT
660' FNL and 1780'			Ismay 11. asc. T. A. M., on BLY. AND STRANG OF AREA Sec 20, T405-R26E
PERMIT FO.	18. BLEVATIONS (Show whether Dr. RT.	GR, etc.)	12. COUNTY OR PARISH 18. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

5018' DF

POTI	ics of I	NTENTION TO:			SOB1	13601	ENT ESPORT OF:	
				1	1		1	-
TEST WATER SHUT-OFF		PULL OR ALTER CASING			WATER BRUT-OFF		REPAIRING WELL	_
PRACTURE TREAT		MULTIPLE COMPLETE			FRACTURE TREATMENT		ALTERING CASING	_
BHOOT OR ACIDIZE	X	ABANDON#			SHOOTING OR ACIDIZING	<u> </u>	*THEMMODHAEA	-
REPAIR WELL		CHANGE PLANS			(Other)			_
(Other)					(NOTE: Report resi	ults o	of multiple completion on Well tion Report and Log form.)	_
ATTACKED BANGARM AND ALL	14 114 PM F	n constanting (Clausic state)	ull Da		dutable and class needlands the	144 1	including estimated data of starting	í

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sones pertinent to this work.) *

Texaco Inc. proposes the following workover precedures to insure sufficient water disposal to prevent oil production loss.

- MIRU pump truck. Pump 6000 gal 15% NEFe in 3 equal stages with two - 500 lb. salt blocks between stages.
- SI 1 hour. 2.
- Back-flow well to recover load. Place well on injection. 3.

Injection rate is 50 BWPD, 1300 psi tbg pressure and 0 csg pressure.

would be appreciated. Your consideration and approva OIL AND GAS

2	DRN - JRB - DTS	RJF GLHI SLS	Accepted by Ge State of Utah Division of Oil, Gas and Mining Date: 47-70
18. I hereby certify that the forespoing by true and correspond to the state of the	A-TAS	Aviez M	anager: 22 76 4-5-90
APPROVED HY	TITLE _	OFILM ILE	DATE

BLM-Abasta (Spiroval OGGC (5), Navajo Tribe, RSL, AAK Action is Necessary *See Instructions on Reverse Side



FAX TRANSMITTAL COVER SHEET

NOTE: DO NOT USE BLUE OR RED INK OR PENCIL ON THIS FORM. THEY WILL NOT REPRODUCE

DATE: 4-5-90 XURGENT DROUTINE NO. OF PAGES C+3
MESSAGE TO: Gil Hunt
TELEPHONE NO. (801) 538-5340 FAX MACHINE NO. 801-359-3940
DEPT./DIV./SUBS.
LOCATION Salt Lake, Utah ROOM NO
MESSAGE FROM: Alan A. Kleier / JDP
TELEPHONE NO. (505) 325 - 4397 FAX MACHINE NO
DEPT./DIV./SUBS.
LOCATION Farming ton, N. Mex. ROOM NO
SENDING DEPT. APPROVALTIME TRANSMITTED 3:50 P
☐ RETURN ORIGINAL VIA INTER-OFFICE MAIL ☐ RETURN ORIGINAL CALL SENDER TO PICK UP
ADDITIONAL COMMENTS:

WELL T-120	OPERATOR TEXACO	LOCATION 20-405-26E
COMMENTS		COUNTY
		SAN JUAN
		13 3/8 @ 100'
		8 5/8 @ 1500' 2 3/8 TUBING PACKER AT 5566'
		5 1/2 @ 5729 PERFS AT 5615-5684

			Form approved. Budget Bureau No. 1004-0135
(Mevemoer 1983)	STATES	SUBMIT IN TRIP ATE (Other instruction) re-	Expires August 31, 1985
(*	THE INTERIOR	verse side)	1-149-IND-9124
BUREAU OF LAN			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AN	D REPORTS ON	ALLE REPORTS	1
(Do not use this form for proposals to drill or Use "APPLICATION FOR P	ERMIT—" for such	45/15 U D 25 (1)	Tavajo
OIL GAR THE BEST TRA		73	7. UMIT AGREEMENT NAME Ismay-Flodine Park
OIL GAS WELL OTHER TER INJ	SECTOU PO	III 25 1990 CD	8. PARM OR LEASE NAME
		Printer	0. 722
Texaco, Inc	Oil	DIVISION OF	9. WELL NO.
3. ADDRESS OF OFFEATOR 3300 N. Butler, Farmingt	on, NM 87401	-, and a mining	T120
4. LOCATION OF WELL (Report location clearly and in See also space 17 below.)	accordance with any State	requirements.*	10. FIELD AND POOL, OR WILDCAT
At surface			Ismay
660' FNL & 1780' FWL			11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
		,	 \$ec.20,T40S,R26E
14. PERMIT NO. 15. ELEVATIO	NS (Show whether DF, RT. C		12. COUNTY OR PARISE 18. STATE
42-037-16459 5018'1)F	;	san Juan Utah
	- T. I. D N.	(NI-4: P4 C	Mh D-4-
•••	ox to indicate Matur	e of Notice, Report, or C	
NOTICE OF INTENTION TO:		sussequ	ENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER	CASING	WATER SHUT-OFF	REPAIRING WELL
PRACTURE TREAT MULTIPLE COM	PLETE	PRACTURE TREATMENT	ALTERING CASING
RHOOT OR ACIDIZE ABANDON*	. X	Other)	ABANDONMENT*
REPAIR WELL CHANGE PLANS		NOTE: Report results	of multiple completion on Well etion Report and Log form.)
TEXACO INC. proposes t described by the attache	o plug and d procedure:	abandon the su	ıbject well as
		OIL AND GAS	-
		DFN PUF	
		JAB / GLH	
		D18 8L8	
		2	
·		Dive	
		MICROFILM	
		2 FLE	
		\(\frac{1}{2}\)	
18. I hereby certify that the pregoing is true and corr	ect		
SIGNED Cland. Kleier	_ TITLE Area M	anager	DATE 7/10/90
(This space for Federal or State office use)		· · · · · · · · · · · · · · · · · · ·	
		ACCEP	TED BY THE STATE
APPROVED BY	TITLE	AL II	TALPHIVISION OF
	_	OII (AS, AND MINING
LM-FARMINGTON (6), UOGCC (5)	, Navajo Tri	be, RSL, DATE: M	LB 8-13-40
BLM-FARMINGTON (6), UOGCC (5) Gueral approval of this action is required before commenting	, Navajo Tri *See Instructions on R	be, RSL, DATE: M	LB 8-13-90

Operations.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any laise, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ATTACHMENT

TEXACO INC.

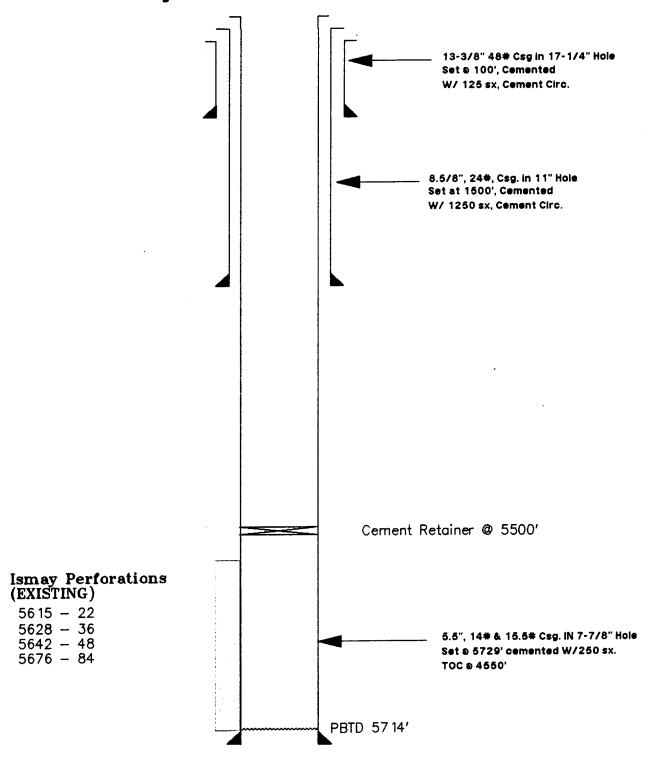
ISMAY - FLODINE PARK UNIT # T120 PLUGGING PROCEDURE

- 1) MIRU pulling unit, install BOP W/ 2-3/8" pipe rams and blind rams. TIH W/ stinger for cement retainer on 2-3/8" tubing; sting into retainer at 5500'.
- Pump 60 sx API Class B (or G) neat cement (5.2 gal water/sx, 1.18 Cu Ft./sx) down tubing. Flush tubing with 21 bbl 10 ppg mud. Pull out of retainer and flush tubing with 2 Bbls 10 ppg mud and TOH W/ tubing.
- Rig up wireline and shoot 2 squeeze holes at 4550' (Hermosa). RIH W/ wireline set Cement Ret. and set at 4450'. RIH W/ tubing and sting into retainer. Open 8-5/8" to 5-1/5" casing valve. Pump down tubing and attempt to break circulation. Pump 60 sx class B cement down tubing; flush tubing with 17 Bbls 10 ppg mud. Pull out of retainer and pump 30 Bbl 10 ppg mud. TOH W/ tubing.
- 4) Shoot 2 squeeze holes at 2540' (De Chelly). Follow step 3) except set retainer at 2440' and flush tubing with 11 Bbls 10 ppg mud. Pull out of retainer and pump 14 Bbls 10 ppg mud.
- 5) Shoot 2 squeeze holes at 1510'(Chinlee). Set cement retainer at 1410' and try to establish circulation, if established, bring cement to surface; otherwise pump 60 sx. Flush tubing with 5 Bbls 10 ppg mud. Pull out of retainer and pump 28 Bbls 10 ppg mud.
- 6) Spot 50' surface plug (7 sx) in 5-1/2" casing, cut off wellhead, erect marker, remove injection line and deadmen, and clean location.

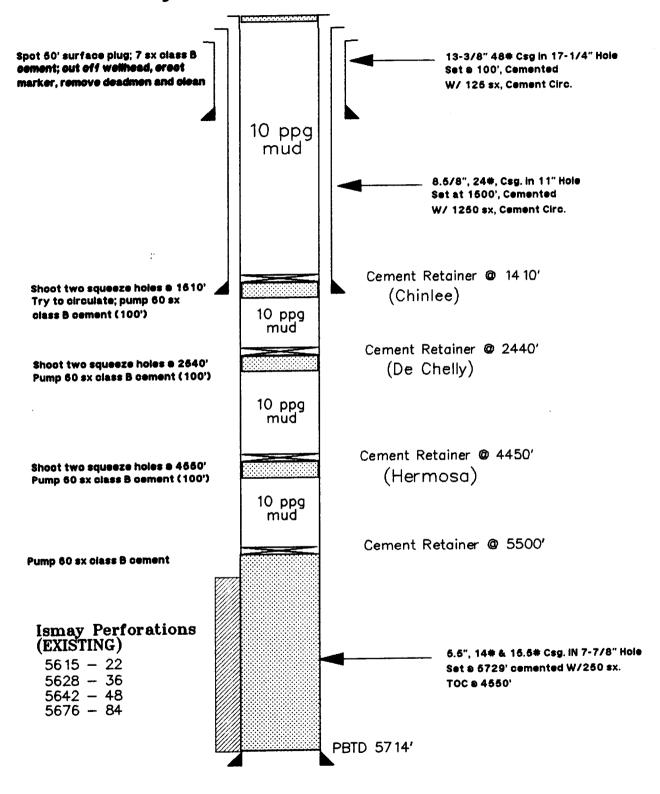
10 ppg mud = 1 sx Barite / bbl fresh water, Yield = 1.06

TEXACC NO.

Ismay-Flodine Park Unit # T120



TEXACO INC. Ismay-Fiodine Park Unit # T120



Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR DUDEAU OF LAND MANAGEMENT

FORM APPROVED				
Budget Bureau No. 1004-0135				
Expires: March 31, 1993				

BUKEAU OF	J. Lease Designation and Serial 110.			
	I-149-IND-9124			
SUNDRY NOTICES	6. If Indian, Allottee or Tribe Name			
	rill or to deepen or reentry to a different reservoir.			
Use "APPLICATION FO	R PERMIT—" for such proposals	Navajo		
SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation		
I. Type of Well	MAR 1 8 1991	Ismay-Flodine Park		
Oil Gas Nell Other INJECT	ION HAIL U 1771	8. Well Name and No.		
2. Name of Operator	DIVISION OF	T120		
Texaco Inc.	9. API Well No.			
3. Address and Telephone No.	43-037-16459			
3300 N. Butler, Farming	ton N.M. 87401 (505)325-4397	10. Field and Pool, or Exploratory Area		
4. Location of Well (Footage, Sec., T, R, M., or Survey D	Ismay			
660' FNL, & 1780' FWL	11. County or Parish, State			
NE/NW Sec. 20, T40S /	R26E			
,		San Juan, Utah		
12. CHECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION			
Notice of Intent	KAbandonment	Change of Plans		
	Recompletion	New Construction		
Subsequent Report	Plugging Back	Non-Routine Fracturing		
·	Casing Repair	Water Shut-Off		
Final Abandonment Notice	Altering Casing	Conversion to Injection		
	Other	Dispose Water		
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		
13. Describe Proposed or Completed Operations (Clearly state at	pertinent details, and give pertinent dates, including estimated date of starting			
give subsurface locations and measured and true vertice	al depths for all markers and zones pertinent to this work.)*			
11-30-90 TIH W/ 2-3	/8" tbg. and sting into cmnt re	et. @5500'. Pump 60 S		
	and 0 psi. Flush tubing and fi			
	ice and shoot 4 way sqz holes at			
	145'. TIH w/ stinger on tbg, sti			
cement and communicated w	ith 5-1/2" csg annulus. Pumped 2	29 SX class "G" on t		
of ret. as per BLM man Mr.	Herman Lujan. Pump 10 ppg mud	to 2440'		
TIH w/ wireline and sh	oot 4 sqz holes at 2540'. Set wir	celine set ret at 2410		
TIH W/ tbg and sting into	ret. Pumped 59.5 SX class 'G' a	at 1.7 BPM and 275 ps		
Dump 10 ppg mid to 1410! TOH W/ that Shoot 4 way say holes on wireline at 1510				

i. Pump 10 ppg mud to 1410'. TOH W/ tbg. Shoot 4 way sqz holes on wireline at 1510'. Set wireline-set cmt ret. at 1410'. TIH W/ tbg. Could not pump into sqz holes at 2200 psi. Sting out of ret. and pump 60 SX. on ret. as per BLM man Mr. Herman Lujan. Circ. hole w/ 10 ppg mud TOH W/ tbg. TIH W/ open ended tbg tc 50'. Spot 7 SX surf. plug while POH W/ tbg. Mr. Lujan said that he was very satisfied with the Job. 11-22-90 Cut off wellhead, removed deadmen and classified P & A. (Will reclaim the location in spring) FINAL REPORT

14. I hereby certify that the foregoing is true and correct Signed AM () Clim	TideArea Manager	Date3/5/91
(This space for Federal or State office use)		
Approved by	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.